

## Anti-CD27 [LG.3A10] Standard Size Ab00670-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Hamster IgG format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** LG.3A10

**Alternative Name(s) of Target:** TNFRS7; CD27L receptor; T-cell activation antigen CD27; Tumor necrosis factor receptor superfamily member 7

**UniProt Accession Number of Target Protein:** P41272

**Published Application(s):** Activating, IP, FC, IF

**Published Species Reactivity:** Rat, Human, Mouse

**Immunogen:** This antibody was produced by injecting Armenian hamsters intraperitoneally with a mixture of two murine CD27 tag-expressing Armenian hamster fibroblast clones (AR0524 and AR0530) in Freund's adjuvant

**Specificity:** This antibody is specific for mouse CD27, which, as in the human system, is largely restricted to cells of the T cell lineage, and is expressed on the great majority of both  $\alpha\beta$  and  $\gamma\delta$  T lymphocytes, and thymocytes.

**Application Notes:** This antibody is specific for murine CD27, and has been used to assess the distribution of CD27 expression using IF, FC and IP analysis (Gravstein, 1995). Upon cross-linking, this antibody has been shown to induce a 4-fold increase in T cell proliferation in response to suboptimal stimulation with concanavalin A (Gravstein, 1995), indicating that this antibody is able to mimic ligand binding.

**Antibody First Published in:** Gravstein et al. Novel mAbs reveal potent co-stimulatory activity of murine CD27 International immunology, April 1995, Vol.7(4), pp.551-7 [PMID:7547681](#)

**Note on publication:** Describes the original use of this antibody to elucidate the distribution and co-stimulatory activity of CD27.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.